Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1-88. (Cancelled).

- 89. (Currently Amended) A method of treating an immunodeficiency comprising administering to an individual, a therapeutically effective amount of a protein comprising an amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the polypeptide protein having said amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2 modulates lymphocyte proliferation, differentiation, or survival.

- 90. (Previously Presented) The method of claim 89 wherein the protein comprises amino acid sequence (a).
- 91. (Previously Presented) The method of claim 89 wherein the protein comprises amino acid sequence (b).
- 92. (Previously Presented) The method of claim 89 wherein the protein comprises amino acid sequence (c).
- 93. (Previously Presented) The method of claim 89 wherein the protein also comprises a heterologous amino acid sequence.

- 94 (Previously Presented) The method of claim 93 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- 95. (Previously Presented) The method of claim 89 wherein said protein is labeled.

96-97. (Cancelled)

- 98. (Currently Amended) A method of treating an immunodeficiency comprising administering to an individual, a therapeutically effective amount of a protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the polypeptide protein having said first amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2modulates lymphocyte proliferation, differentiation, or survival.

- 99. (Previously Presented) The method of claim 98 wherein the protein comprises amino acid sequence (a).
- 100. (Previously Presented) The method of claim 98 wherein the protein comprises amino acid sequence (b).
- 101. (Previously Presented) The method of claim 98 wherein the protein comprises amino acid sequence (c).

- 15 128. (Previously Presented) The method of claim 126 wherein the protein is fused to a heterologous amino acid sequence.
- 16 1/29. (Previously Presented) The method of claim 1/28 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- 17 130. (Previously Presented) The method of claim 1/26 wherein said protein is labeled.
 - 131-132. (Cancelled)
- 18 133. (Previously Presented) The method of claim 126 wherein the immunodeficiency is common variable immunodeficiency (CVID).
 - 134. (Cancelled)
- 13/5. (Previously Presented) The method of claim 1/26 wherein the immunodeficiency is Selective IgA deficiency.
 - 136-139. (Cancelled)
- 20 1/40. (Currently Amended) A method of treating an immunodeficiency comprising administering to an individual, a therapeutically effective amount of a protein comprising a first amino acid sequence which is 90% or more identical to a second amino acid sequence consisting of amino acid residues 134-285 of SEQ ID NO:2, wherein the polypeptide protein having said first amino acid sequence modulates stimulates B lymphocyte proliferation, differentiation, or survival.
- The method of claim 140 wherein the protein comprises a first amino acid sequence which is 95% or more identical to said second amino acid sequence.

- 20 (Previously Presented) The method of claim 140 wherein the protein also comprises a heterologous amino acid sequence.
- 23 1/43. (Previously Presented) The method of claim 1/42 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- 24 144. (Previously Presented) The method of claim 140 wherein said protein is labeled.
 - 145-146. (Cancelled)
- 25 147. (Previously Presented) The method of claim 140 wherein the immunodeficiency is common variable immunodeficiency (CVID).
 - 148. (Cancelled)
- 26 149. (Previously Presented) The method of claim 140 wherein the immunodeficiency is Selective IgA deficiency.

150-211. (Cancelled)

- 212. (Currently Amended) A method of stimulating <u>B</u> lymphocyte proliferation, differentiation or survival comprising administering to an individual, a therapeutically an effective amount of a protein comprising an amine acid sequence selected from the group consisting of:
- (a) the amino acid requence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

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wherein the polypeptide protein having said amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2modulates lymphocyte proliferation, differentiation, or survival.

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- 213. (Previously Presented) The method of claim 212 wherein the protein comprises amino acid sequence (a).
- 214. (Previously Presented) The method of claim 212 wherein the protein comprises amino acid sequence (b)
- 215. (Previously Presented) The method of claim 212 wherein the protein comprises amino acid sequence (c).
- 29 216. (Previously Presented) The method of claim 212 wherein the protein also comprises a heterologous amino acid sequence.
- 30 21/7. (Previously Presented) The method of claim 2/6 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- 3\21/8. (Previously Presented) The method of claim 21/2 wherein said protein is labeled.

219-220. (Cancelled)

- 221. (Currently Amended) A method of stimulating <u>B</u> lymphocyte proliferation, differentiation or survival comprising administering to an individual, a therapeutically <u>an</u> effective amount of a protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and

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the amino acid sequence of amino acid residues n to m of SEO ID (c) NO:2, where n is an integer in the range of 2,190 and m is an integer in the range of 274-284;

wherein the polypeptide protein having said first amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2 modulates lymphocyte proliferation, differentiation, or survival.

- (Previously Presented) The method of claim 221 wherein the protein 222. comprises amino acid sequence (a).
- The method of claim 221 wherein the protein (Previously Presented) comprises amino acid sequence (b).
- (Previously Presented) The method of claim 221 wherein the protein comprises amino acid sequence (c).
- 32. (Previously Presented) The method of claim 221 wherein the protein also comprises a heterologous amino acid sequence.
- The method of claim 225 wherein the (Previously Presented) *35* 226. heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- The method of claim 221 wherein said (Previously Presented) protein is labeled.

228-229. (Cancelled)

(Currently Amended) A method of stimulating B lymphocyte proliferation, 230. differentiation or survival comprising administering to an individual, a therapeutically effective amount of a protein consisting of an amino acid sequence of amino acid residues 134-285 of SEQ ID NO

- 38 231. (Previously Presented) The method of claim 230 wherein the protein is fused to a heterologous amino acid sequence.
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 39 232. (Previously Presented) The method of claim 231 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
- 4D 233. (Previously Presented) The method of claim 230 wherein said protein is labeled.
 - 234-274. (Cancelled)
- 275. (Previously Presented) The method of claim 89 wherein the immunodeficiency is common variable immunodeficiency (CVID).
- 276. (Previously Presented) The method of claim 89 wherein the immunodeficiency is Selective IgA deficiency.
- 277. (Previously Presented) The method of claim 98 wherein the immunodeficiency is common variable immunodeficiency (CVID).
- 278. (Previously Presented) The method of claim 98 wherein the immunodeficiency is Selective IgA deficiency.
- 5 279. (Previously Presented) The method of claim 107 wherein the immunodeficiency is common variable immunodeficiency (CVID).
- (Previously Presented) The method of claim 197 wherein the immunodeficiency is Selective IgA deficiency.
- 41 281. (New) A method of stimulating B lymphocyte proliferation, differentiation or survival comprising administering to an individual, an effective amount of a protein comprising the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.

- 42 2\$2. (New) The method of claim 2\$1 wherein the protein is fused to a heterologous amino acid sequence.
- 42 283. (New) The method of claim 282 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 4 284. (New) The method of claim 281 wherein said protein is labeled.
- 285. (New) A method of stimulating B lymphocyte proliferation, differentiation or survival comprising contacting B lymphocytes with an effective amount of a protein comprising an amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190.
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 286. (New) The method of claim 285 wherein the protein comprises amino acid sequence (a).
- 287. (New) The method of claim 285 wherein the protein comprises amino acid sequence (b).
- 288. (New) The method of claim 285 wherein the protein comprises amino acid sequence (c).
- 45)
 47 289. (New) The method of claim 285 wherein the protein also comprises a heterologous amino acid sequence.

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- 48 290. (New) The method of claim 289 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 45 49 291. (New) The method of claim 285 wherein said protein is labeled.
- 292. (New) A method of stimulating B lymphocyte proliferation, differentiation or survival comprising contacting B lymphocytes with an effective amount of a protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said first amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 293. (New) The method of claim 292 wherein the protein comprises amino acid sequence (a).
- 294. (New) The method of claim 292 wherein the protein comprises amino acid sequence (b).
- 295. (New) The method of claim 292 wherein the protein comprises amino acid sequence (c).
- 50 52 296. (New) The method of claim 292 wherein the protein also comprises a heterologous amino acid sequence.
- 52 53 297. (New) The method of claim 296 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.

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- 54 298. (New) The method of claim 292 wherein said protein is labeled.
- 55 299. (New) A method of stimulating B lymphocyte proliferation, differentiation or survival comprising contacting B lymphocytes with an effective amount of a protein consisting of an amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 55 50. (New) The method of claim 299 wherein the protein is fused to a heterologous amino acid sequence.
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 57 301. (New) The method of claim 300 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 58 202. (New) The method of claim 299 wherein said protein is labeled.
- 59 303. (New) A method of stimulating B lymphocyte proliferation, differentiation or survival comprising contacting B lymphocytes with an effective amount of a protein comprising the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 50 304. (New) The method of claim 303 wherein the protein is fused to a heterologous amino acid sequence.
- 66 (New) The method of claim 304 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 102 306. (New) The method of claim 303 wherein said protein is labeled.
- 307. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising administering to an individual, an effective amount of a protein comprising an amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and

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(c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 308. (New) The method of claim 307 wherein the protein comprises amino acid sequence (a).
- 309. (New) The method of claim 307 wherein the protein comprises amino acid sequence (b).
- 310. (New) The method of claim 307 wherein the protein comprises amino acid sequence (c).
- 65 311. (New) The method of claim 307 wherein the protein also comprises a heterologous amino acid sequence.
- (New) The method of claim 311 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 63
 13. (New) The method of claim 307 wherein said protein is labeled.
- 314. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising administering to an individual, an effective amount of a protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and

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(c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said first amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 315. (New) The method of claim 314 wherein the protein comprises amino acid sequence (a).
- 316. (New) The method of claim 314 wherein the protein comprises amino acid sequence (b).
- 317. (New) The method of claim 314 wherein the protein comprises amino acid sequence (c).
- 10 318. (New) The method of claim 3/14 wherein the protein also comprises a heterologous amino acid sequence.
- (New) The method of claim 3/18 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 72 320. (New) The method of claim 324 wherein said protein is labeled.
- 73 3/1. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising administering to an individual, an effective amount of a protein consisting of an amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 74 \$22. (New) The method of claim 321 wherein the protein is fused to a heterologous amino acid sequence.
- 75 323. (New) The method of claim 372 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.

- 324. (New) The method of claim 321 wherein said protein is labeled.
- 7.7 325. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising administering to an individual, an effective amount of a protein comprising the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 78 326. (New) The method of claim 325 wherein the protein is fused to a heterologous amino acid sequence.
- 79, 327. (New) The method of claim 326 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.

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- 328. (New) The method of claim 327 wherein said protein is labeled.
- 329. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising contacting T lymphocytes with an effective amount of a protein comprising an amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 330. (New) The method of claim 329 wherein the protein comprises amino acid sequence (a).
- 331. (New) The method of claim 329 wherein the protein comprises amino acid sequence (b).

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- 332. (New) The method of claim 329 wherein the protein comprises amino acid sequence (c).
- 83 3/33. (New) The method of claim 3/29 wherein the protein also comprises a heterologous amino acid sequence.
- 83, (New) The method of claim 333 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 85 335. (New) The method of claim 329 wherein said protein is labeled.
- 336. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising contacting T lymphocytes with an effective amount of a protein comprising a first amino acid sequence that is 95% or more identical to a second amino acid sequence selected from the group consisting of:
- (a) the amino acid sequence of amino acid residues n to 285 of SEQ ID NO:2, where n is an integer in the range of 2-190;
- (b) the amino acid sequence of amino acid residues 1 to m of SEQ ID NO:2, where m is an integer in the range of 274-284; and
- (c) the amino acid sequence of amino acid residues n to m of SEQ ID NO:2, where n is an integer in the range of 2-190 and m is an integer in the range of 274-284;

wherein the protein having said first amino acid sequence can be used to generate or select for an antibody that specifically binds the polypeptide of SEQ ID NO:2.

- 337. (New) The method of claim 336 wherein the protein comprises amino acid sequence (a).
- 338. (New) The method of claim 336 wherein the protein comprises amino acid sequence (b).
- 339. (New) The method of claim 336 wherein the protein comprises amino acid sequence (c).

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- (New) The method of claim 3,36 wherein the protein also comprises a heterologous amino acid sequence.
- 88 (New) The method of claim 340 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 90 3/42. (New) The method of claim 3/36 wherein said protein is labeled.
- 9 1 3/43. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising contacting T lymphocytes with an effective amount of a protein consisting of an amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 92 344. (New) The method of claim 343 wherein the protein is fused to a heterologous amino acid sequence.
- 93 345. (New) The method of claim 344 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 94 346. (New) The method of claim 343 wherein said protein is labeled.
- 95 347. (New) A method of stimulating T lymphocyte proliferation or differentiation comprising contacting T lymphocytes with an effective amount of a protein comprising the amino acid sequence of amino acid residues 134-285 of SEQ ID NO:2.
- 95 (New) The method of claim 347 wherein the protein is fused to a heterologous amino acid sequence.
- 97 349. (New) The method of claim 348 wherein the heterologous amino acid sequence is the amino acid sequence of an immunoglobulin Fc domain.
 - 95. (New) The method of claim 347 wherein said protein is labeled.